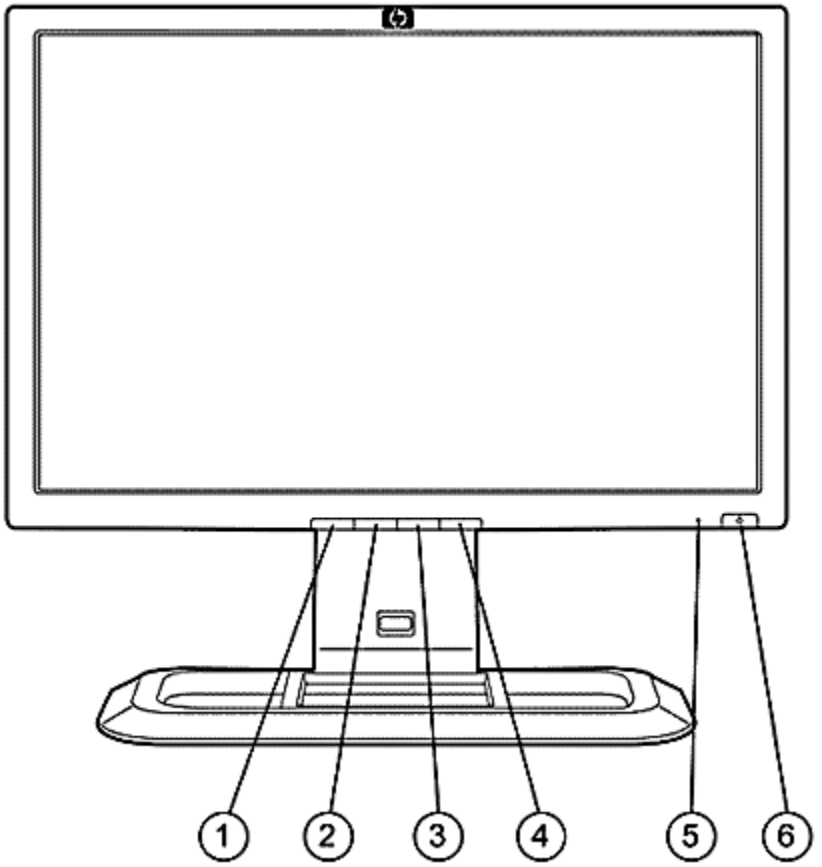
Overview



1. **Menu/select:** Opens, selects or exits the OSD menu.
2. **"-"/Auto:** Navigates backward through the OSD menu and decreases adjustment levels; when the OSD menu is inactive, activates the auto adjustment feature to optimize the screen image.
3. **"+":** Navigates forward through the OSD menu and increases adjustment levels.
4. **Input select:** Select video input (DVI-D or VGA)
5. **Power LED:** fully powered = green; sleep mode = amber; sleep timer mode = flashing amber.
6. **Power:** Turns the monitor on or off.

Models

Carbonite and silver	RA374AA#xxx
All carbonite	RA373AA#xxx

Technical Specifications

Panel	**Type**	Active matrix, thin film transistor (TFT)
	Viewable Image Area (diagonal)	19 in (48.25 cm) maximum viewable
	Screen Opening (WxH)	14.9 x 12.0 in (38.0 x 30.5 cm)
	Viewing Angle (typical)*	178 degrees horizontal/178 degrees vertical (10:1 minimum contrast ratio)
	Brightness (typical)*	300 nits (cd/m^2)
	Contrast Ratio (typical)*	1000:1 (typical)
	Response Time (typical)*	6 ms (typical gray to gray)**
	Pixel Pitch	0.294 mm
	Color Depth Support	16.7 million colors
	Backlight Lamp Life (to half brightness)	50K hours

* **NOTE:** All performance specifications represent the typical specifications provided by HP's component manufacturers; actual performance may vary either higher or lower.

****NOTE:** 20 ms rise and fall

Video/Other Inputs	**Plug and Play**	Yes (supports VESA DDC2B and DDC/CI; PC2001 compliant)
	Self Powered USB 2.0 Hub	One upstream, four downstream ports (cable included)
	Input Signal	Two DVI-I connectors (VGA analog or digital)
	Input Impedance	75 ohms ± 2%
	Sync Input	Separate sync (HSYNC/VSYNC); composite sync, Sync on Green (activated through on-screen display)
	Video Cable	One DVI-D to DVI-D, and 1 DVI-I to VGA cables
	Video Cable Length	71 in (1.8 m)
Signal Interface/ Performance	**Horizontal Frequency**	24 to 83 kHz
	Vertical Frequency	48 to 76 Hz
	Native Resolution	1280 x 1024 @ 75 Hz analog 1280 x 1024 @ 60 Hz digital
	Maximum Resolution (Analog)	1280 x 1024 @ 75 Hz analog
	Maximum Resolution (Digital)	1280 x 1024 @ 75 Hz digital
	Preset VESA Graphic Modes (non-interlaced)	640 x 480 @ 60 Hz, 72 Hz, 75 Hz 720 x 400 @ 70 Hz 800 x 600 @ 60 Hz, 72 Hz, 75 Hz 1024 x 768 @ 60 Hz, 70 Hz, 75 Hz 1280 x 1024 @ 60 Hz, 75 Hz
	Preset MAC Mode	832 x 624 @ 75 Hz 1152 x 870 @75 Hz
	Preset VGA Mode	640 x 480 @ 60 Hz, 72 Hz
	Preset SUN Mode	1152 x 900 @ 76 Hz
	Fail Safe Mode	Yes (limits out of range signal messages)
	Maximum Pixel Clock Speed	140 MHz

	User Programmable Modes	Yes, 15	
	Anti-Glare	Yes	
	Anti-Static	Yes	
	AssetControl	Yes (accessible on HP Compaq Business Desktops featuring Intelligent Manageability)	
	Default Color Temperature	Yes (6500k, 9300k, SRGB, Custom User)	
On Screen Display (OSD) **Controls**	**Buttons or Switches**	Power on/off; 3-button OSD; second level OSD buttons include dual-input switch, dedicated auto adjust switch	
	Languages	English, Spanish, French, German, Netherlands, Italian, Japanese, Simplified Chinese	
	User Controls	Size and Positioning	
		Contrast	
		Brightness	
		Clock, Clock Phase	
		Selectable Color Temperature	
		Serial Number	
		Mode Displayed	
		Sleep Timer	
		Input Selection	
		Factory Reset	
Power	**Power Supply**	Auto-ranging, 90 to 265 VAC; internal power supply	
	Input Power	100 ~ 240 VAC	
	Nominal Current	1.5 A maximum	
	Frequency	50 ~ 60 Hz	
	Typical Power Consumption	< 35 watts	
	Maximum	< 55 watts	
	Power Saving	< 2 watts	
	Off Mode	0 watts (when master power switch is in the off position)	
	Power Cable Length	74.8 in (1.9 m); non-captive	
Mechanical	**Dimensions** (H x W x D)	**Unpacked w/stand**	14.85 min to 18.79 max x 15.9 x 8.78 inches (37.72 min to 47.72 max x 40.39 x 22.29 cm)
		Base area (Footprint D x W)	8.78 x 11.88 inches (22.29 x 30.18 cm)
		Display head only (Without stand) (H x W x D)	12.96 x 15.9 x 2.4 inches (32.91 x 40.39 x 6.1 cm)
	Weight	**Unpacked w/stand**	15.6 lbs (7.06 kg)
		Unpacked w/o stand	9.26 lbs (4.19 kg)
		Packaged	20.5 lbs (9.27 kg)
	Bezel width	12.5 mm left and right, 12.75 mm top and bottom	
	Tilt Range	-4 degrees to +30 degrees	
	Swivel Range	± 45 degrees horizontal swivel	
	Height Adjustable	Yes (4 in/100mm adjustment range)	

Technical Specifications

	Pivot Rotation	Yes, 90 degrees
	Base	Ships attached and is removable
Environmental	**Temperature – Operating**	41° to 95° F (5° to 35° C)
	Temperature – Non-operating	-4° to 140° F (-20° to 60° C)
	Humidity – Operating	20% to 80%
	Humidity – Non-operating	5% to 95%
	Altitude – Operating	0 to 12,000 ft (0 to 3,658 m)
	Altitude – Non-operating	0 to 40,000 ft (0 to 12,192 m)
Environmental Data	**Eco-Label Certifications and Declarations**	This product has received or is in the process of being certified to the following approvals and may be labeled with one or more of these marks: • US Energy Star • CECP

Energy Consumption (in accordance with US Energy Star test method)	AC Input Voltage at 100 VAC +/- 5 VAC, 50 Hz +/- 3 Hz	AC Input Voltage at 115 VAC +/- 5 VAC, 60 Hz +/- 3 Hz	AC Input Voltage at 230 VAC +/- 5 VAC, 50 Hz +/- 3 Hz
Normal Operation	35.7 watts	35.6 watts	35.1 watts
Sleep	1.08 watts	1.14watts	1.23 watts
Off	0.93 watts	0.94 watts	0.92 watts

Heat Dissipation*	100 VAC, 50 Hz	115 VAC, 60 Hz	230 VAC, 50 Hz
Normal Operation	121.7 BTU/hr	121.4 BTU/hr	119.7 BTU/hr
Sleep	3.68 BTU/hr	3.89 BTU/hr	4.19 BTU/hr
Off	3.17 BTU/hr	3.21 BTU/hr	3.14 BTU/hr

***NOTE**: Heat dissipation is calculated based on the measured watts, assuming the service level is attained for one hour.

	Longevity and Upgrading	Upgradeability features contained in the product include: One upstream and four downstream USB ports
	Ergonomics	The monitor meets the ergonomic requirement of EN-ISO 13406-2 for flat panel displays.
	Additional Information	This product is in compliance with the Restrictions of Hazardous Substances (RoHS) Directive, 2002/95/EC. This HP product is designed to comply with the Waste Electrical and Electronic Equipment (WEEE) Directive, 2002/96/EC. Plastics parts weighing over 25 grams used in the product are marked per ISO 11469 and ISO1043. Display meets the requirement for low frequency electromagnetic fields per MPR-II, TCO, and prEN50279 A/B/C. This product contains 100% recycled materials (by wt.) This product is 100% recycleable when properly disposed of at end of

life.

Packaging Materials

- Corrugated – 0.955 kg
- Plastic (other) – 0.055 kg
- Polystyrene – 0.24 kg

Material Usage

This product does not contain any of the following substances in excess of regulatory limits (refer to the HP General Specification for the Environment at http://www.hp.com/hpinfo/globalcitizenship/environment/supplychain/gen_specifications.html):

- Asbestos
- Certain Azo Colorants
- Certain Brominated Flame Retardants – may not be used as flame retardants in plastics
- Cadmium
- Chlorinated Hydrocarbons
- Chlorinated Paraffins
- Formaldehyde
- Halogenated Diphenyl Methanes
- Lead carbonates and sulfates
- Lead and Lead compounds
- Mercuric Oxide Batteries
- Nickel – finishes must not be used on the external surface designed to be frequently handled or carried by the user.
- Ozone Depleting Substances
- Polybrominated Biphenyls (PBBs)
- Polybrominated Biphenyl Ethers (PBBEs)
- Polybrominated Biphenyl Oxides (PBBOs)
- Polychlorinated Biphenyl (PCB)
- Polychlorinated Terphenyls (PCT)
- Polyvinyl Chloride (PVC) – except for wires and cables, and certain retail packaging has been voluntarily removed from most applications.
- Radioactive Substances
- Tributyl Tin (TBT), Triphenyl Tin (TPT), Tributyl Tin Oxide (TBTO)

Packaging

HP follows these guidelines to decrease the environmental impact of product packaging:

- Eliminate the use of heavy metals such as lead, chromium, mercury and cadmium in packaging materials.
- Eliminate the use of ozone-depleting substances (ODS) in packaging materials.
- Design packaging materials for ease of disassembly.
- Maximize the use of post-consumer recycled content materials in packaging materials.
- Use readily recyclable packaging materials such as paper and corrugated materials.
- Reduce size and weight of packages to improve transportation fuel efficiency.
- Plastic packaging materials are marked according to ISO 11469 and DIN 6120 standards.

Technical Specifications

	End-of-life Management and Recycling	Hewlett-Packard offers end-of-life HP product return and recycling programs in many geographic areas. To recycle your product, please go to: http://www.hp.com/recycle or contact your nearest HP sales office. Products returned to HP will be recycled, recovered or disposed of in a responsible manner.
	Hewlett-Packard Corporate Environmental Information	For more information about HP's commitment to the environment: Global Citizenship Report http://www.hp.com/hpinfo/globalcitizenship/gcreport/index.html Eco-label certifications http://www.hp.com/hpinfo/globalcitizenship/environment/productdesign/ecolabels.html ISO 14001 certificates: http://www.hp.com/hpinfo/globalcitizenship/environment/operations/envmanagement.html
Options	**HP Silver Flat Panel Speaker Bar**	Powered directly by the monitor or PC, seamlessly attaches to the monitor's bezel to bring full multimedia support to select HP flat panel monitors. Features include dual speakers with full sound range and external jack for headphones. Sold separately, part number EE418AA. For more information, refer to the HP Flat Panel Speaker Bar QuickSpecs.
Other	**Accessories Included**	One DVI-D to DVI-D cable, one DVI-I to VGA cable, one USB cable, and CD-ROM with Pivot Pro software, HP Display Assistant software, and HP Display LiteSaver software.
	Software	Pivot Pro software from Portrait Displays, Inc. interacts with your PC's native graphics driver to enable seamless portrait screen redraws with a simple mouse-click or keyboard command. Pivot Pro supports 90-degree portrait and landscape views. Language support is available in English, Japanese, French, German, Spanish, Italian, and Traditional and Simplified Chinese. HP Display Assistant is a software utility that allows monitor adjustment, color calibration, and security/asset management using the Display Data Channel Command Interface (DDC/CI) protocol of the connected desktop PC. HP Display LiteSaver feature allows you to schedule Sleep mode at preset times to help protect the monitor against image retention, drastically lower power consumption and energy costs, and extend the lifespan of the monitor.
	User Guide Languages	English, Bahasa, B. Portuguese, French, LA Spanish, Korean, Simplified Chinese, Traditional Chinese, Japanese, Danish, Dutch, Finnish, German, Italian, Norwegian, Swedish, Greek, Polish, Russian, Slovenian, Turkish
	Warranty Languages	English
	Color	Carbonite, two-tone carbonite and silver (EMEA only)
	VESA Mounting	Yes (swing arm/wall mount not included); base must be removed for mounting options)
	VESA External Mounting	Yes (standard 4 hole pattern, 100 mm)
	Kensington Lock-Ready	Yes
Certification and Compliance		Australian ACA Approval, Canadian Requirements/CSA, CE Marking, China CCIB/CCEE Approval, CISPR Requirements, Eastern European Approvals, Energy Star Compliant, FCC

	Approval, German Ergonomic (TUV and GS Mark), ISO 13406-2 Compliant (Pixel Defect Guidelines), Mexican NOM Approval, MPR-II Compliant, PC2001 Compliant, PC99 Certified, S. Korean MIC Approval, Taiwan BSMI Approval, TCO 99 or 03 depending on region (emissions, ergonomics, environment), TUV-Ergo, UL Listed, VCCI Approvals, Microsoft® Windows® Certification
Compatibility	VESA Video Signal Standard (VSIS) Compliant video cards have been tested and proven compatible for use with the HP LP1965 Flat Panel Monitor. Recommended for use with HP products.
Service and Warranty	Three years parts, labor, and on-site service. 24-hour, 90-day, toll-free technical support. Replacement options may include second business day on-site service, or next business day direct replacement, at HP's sole discretion. With direct replacement, HP will ship a replacement display product directly to you. Using the prepaid shipping labels provided, return your failed display to HP in the same packaging as the replacement. Certain restrictions and exclusions apply. For details see your product warranty or contact HP Customer Support.

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